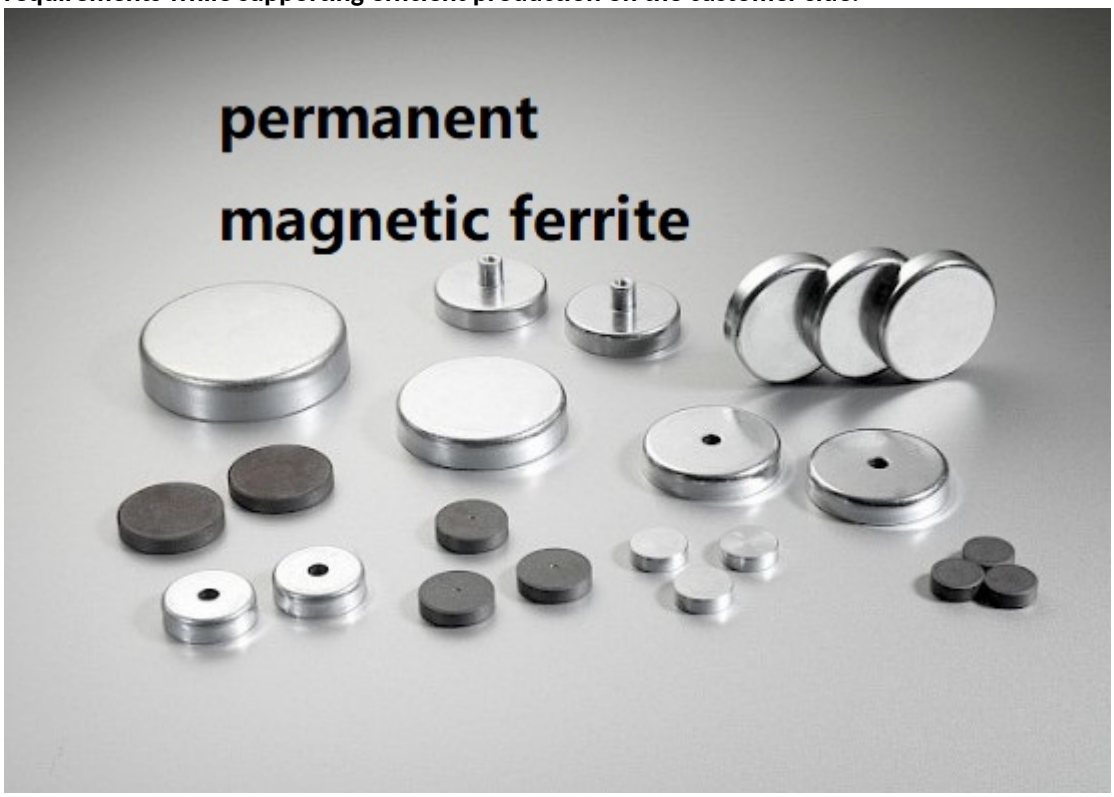
Dongyang Tianqi Motor Magnetic Tile Co., Ltd.

Dongyang Tianqi Motor Magnetic Tile Co., Ltd. is a specialized manufacturer focused on high-performance magnetic components for modern motor systems, precision equipment, and energy-efficient industrial applications. Located in Dongyang, Zhejiang Province, China, the company has developed a solid reputation for engineering consistency, dependable product quality, and customer-oriented service. With growing demand from appliance manufacturers, motor builders, automation equipment suppliers, and industrial solution providers, Tianqi has become a trusted source for advanced magnetic parts that support stable performance and long service life. In particular, the rising attention on floor washing machine magnetic tiles has placed greater importance on suppliers that can deliver durable, accurate, and well-controlled magnetic materials, and Tianqi has built its capabilities around meeting that need with reliability and precision.

Company Overview

Founded with a clear focus on magnetic material production and application-oriented development, Dongyang Tianqi Motor Magnetic Tile Co., Ltd. has steadily expanded its technical strength and manufacturing capacity. From the beginning, the company has centered its work on the idea that a magnetic component is never just a simple part. It is an essential element that directly affects motor efficiency, operating stability, noise performance, energy consumption, and the lifespan of the end product. Because of this, Tianqi has always treated design accuracy, material consistency, and process control as core responsibilities rather than optional improvements.

Over the years, the company has established a production philosophy built on three principles: reliable materials, precise shaping, and repeatable results. These principles have helped Tianqi serve clients in different industrial sectors that require strict performance control. Whether the demand comes from household appliances, cleaning machines, electric drive systems, or special motor assemblies, the company works to provide components that meet application requirements while supporting efficient production on the customer side.



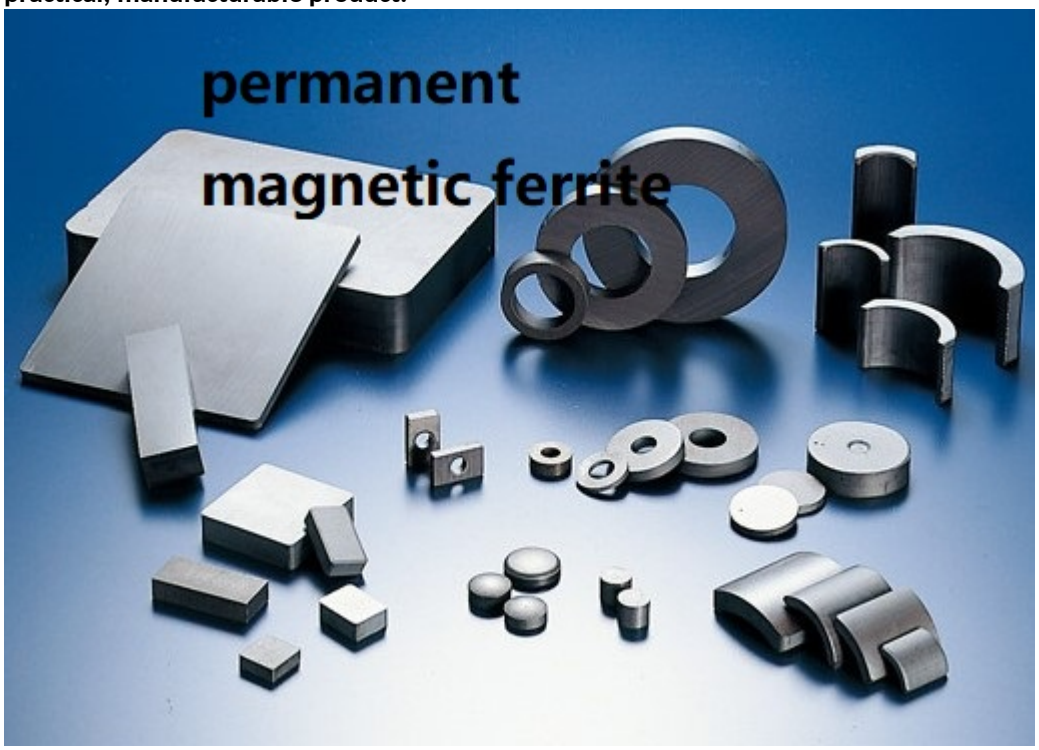
Tianqi's approach combines hands-on manufacturing experience with a strong awareness of market change. As industries move toward greater energy efficiency, quieter operation, and higher output in smaller spaces, magnetic components must deliver more in less volume. That challenge has encouraged the company to invest in improved molding techniques, refined sintering methods, tighter inspection standards, and application-based development. The result is a manufacturing environment that is practical, technical, and focused on long-term value.

Product Range

At the heart of the company's business is a broad range of magnetic components designed for motor systems and related industrial uses. While the exact product mix can be adapted according to customer needs, the company's capabilities generally include magnetic tiles, permanent magnets, shaped magnetic parts, custom magnetic segments, and other motor-related magnetic elements. Each product category is developed with attention to magnetic strength, dimensional accuracy, temperature resistance, and durability under operating stress.

Magnetic components used in motors often need to balance several factors at once. They must provide enough magnetic force to support efficient rotation, yet they also need to maintain stable performance across changes in heat, vibration, and operating speed. That is why Tianqi places strong emphasis on matching material selection to the intended environment. A product used in a high-speed motor will not have the same design priorities as one used in a cleaning device, a ventilation system, or a compact appliance. By recognizing these differences early in the development process, the company can better tailor solutions to each customer's technical goals.

The company's product development work often begins with understanding the end use. For example, an appliance manufacturer may need a component that helps reduce energy use and supports quiet operation during daily use. An industrial client may require a part that resists wear and maintains performance under longer operating cycles. A motor producer may need a shaped magnetic solution that fits a limited installation space while still delivering reliable torque. In all of these cases, the company's role is to transform technical requirements into a practical, manufacturable product.



Among the many application areas, one of the most important is the development of floor washing machine magnetic tiles for cleaning equipment that must run efficiently and reliably in demanding environments. These components are expected to perform well under repeated use, varying loads, and frequent operational cycles. They must also support compact design and stable control. Tianqi's strength in this area comes from its attention to consistency, making sure each component contributes to smooth motor function and dependable end-product performance.

Material Selection and Engineering Logic

The quality of a magnetic component begins long before the final shape is formed. It starts with material selection. Tianqi understands that the right magnetic material can significantly improve motor performance, while the wrong selection can limit efficiency, increase failure risk, or create instability in the production line. For that reason, the company approaches material choice as a technical decision shaped by application, cost expectations, temperature limits, and dimensional requirements.

In magnetic manufacturing, consistency is often as important as raw strength. A material that performs well in one sample but varies across batches can create problems for assembly and quality control. Tianqi addresses this by carefully controlling the sources of its raw materials and by applying stable production methods that reduce variation. This approach supports uniformity in magnetic force, shape retention, and surface quality.

Engineering logic also plays a major role in product success. A magnetic part must not only be

strong, but also sized correctly and shaped to fit the mechanical design of the machine. Slight deviations in arc, angle, thickness, or flatness can affect motor assembly and overall performance. Tianqi therefore treats precision as a core engineering issue. Its technical teams work to align the geometry of each product with the functional demands of the customer's equipment.

Another important part of material and design work is temperature performance. Motors and appliance systems often generate heat during operation, and a magnetic part must maintain stable behavior in those conditions. Tianqi's manufacturing process takes this into account by selecting materials and production parameters that help preserve magnetic reliability across realistic operating temperatures. This is especially important for equipment that runs frequently or for systems that must operate over long periods without interruption.

The company also considers resistance to vibration, impact, and environmental wear. In many industrial settings, a magnetic part is not protected from all forms of stress. It may face continuous movement, repeated startup cycles, or prolonged exposure to internal mechanical forces. By designing with these conditions in mind, Tianqi helps customers reduce maintenance concerns and improve long-term product confidence.

Manufacturing Process

A strong product is the result of a controlled process. Dongyang Tianqi Motor Magnetic Tile Co., Ltd. has built its manufacturing system around disciplined production stages that support accuracy and consistency from start to finish. Each stage is designed to reduce defects, maintain dimensional stability, and preserve the intended magnetic characteristics of the final product.

The process usually begins with raw material preparation. Materials are carefully measured, blended, and prepared according to established technical standards. This early stage is critical, because small errors at the beginning can multiply later in production. Tianqi places great importance on accurate weighing, stable mixing, and proper handling during this stage so that the final material structure remains dependable.

After preparation, the material enters forming and shaping stages. Depending on the product type, this may involve pressing, molding, cutting, or other shaping methods. In a magnetic component factory, precise forming is essential because the part must eventually fit into a motor structure or appliance housing with minimal tolerance problems. Tianqi uses production methods that support repeatable dimensions and reliable structural integrity.

Heat treatment and sintering are also important in many magnetic production lines. These processes help achieve the desired magnetic properties and mechanical stability. Temperature control must be carefully monitored, since uneven heating can affect performance or create inconsistent results across batches. Tianqi's approach is to maintain close process supervision so that the finished product matches the intended technical specification.

Finishing work follows the core shaping process. This may include surface treatment, cleaning, edge refinement, inspection, and packaging preparation. In many industries, surface quality matters as much as internal performance, since the final component must be easy to handle and assemble. A smooth finish can help prevent installation issues and reduce the risk of damage during transport or assembly.

Throughout the production cycle, the company focuses on repeatability. Customers in motor and appliance industries often need parts in large quantities, and they need those parts to perform the same way every time. Tianqi's manufacturing process is built to support that

requirement. By controlling each stage carefully, the company helps ensure that a part produced today will match the performance of the same part produced next month or next year.

Quality Control and Inspection

Quality control is one of the strongest foundations of Dongyang Tianqi Motor Magnetic Tile Co., Ltd. The company recognizes that magnetic components are often used in systems where failure is costly. A small problem in a motor part can affect the behavior of the entire machine. That is why Tianqi has invested in inspection systems and process monitoring procedures that help identify potential issues before products leave the factory.

Inspection begins with raw material verification. Before any material is used in production, it is checked for consistency and suitability. This helps avoid later problems caused by incorrect composition or unstable magnetic behavior. During production, the company also uses in-process checks to monitor dimensions, shape accuracy, and physical appearance. These checks allow the team to catch deviations early and respond before a batch is completed.

Finished products undergo further testing based on the needs of the intended application. These tests may include dimensional inspection, magnetic performance evaluation, structural review, and consistency assessment across samples from the same batch. For components intended for motors and appliances, performance stability is especially important. Tianqi's quality team pays close attention to whether a product meets the practical requirements of assembly and use.

The company's quality philosophy is not limited to identifying defects. It is also about prevention. By analyzing recurring causes of variation, Tianqi improves its process design and reduces the chance of future issues. This continuous improvement mindset has helped the company strengthen its reputation for reliability and technical discipline.

Packaging and storage are also part of the quality system. Even a well-made magnetic component can be affected by poor handling after inspection. For that reason, Tianqi takes care to package parts in ways that protect shape, surface condition, and functional integrity during transport and storage. This attention to the final stage of the process helps customers receive products that are ready for efficient use.

Application Areas

The versatility of magnetic components gives Tianqi access to a wide range of industries. Motor manufacturers are one of the most important customer groups, but the company's products can also support appliance makers, cleaning equipment producers, automation system builders, and specialized industrial assembly lines. In each of these areas, the magnetic part must fit both technical and commercial needs.

For household appliances, magnetic components often help support quiet operation, compact design, and energy efficiency. Consumers expect modern machines to be powerful yet unobtrusive, and that expectation pushes manufacturers to improve every internal part. Tianqi's work in this space is valuable because it helps customers build products that meet modern performance standards without unnecessary complexity.

Cleaning equipment is another important area. Machines used for washing, sweeping, or floor maintenance often require durable components that can survive frequent use. These systems may operate in environments where moisture, dust, movement, and repeated cycles are part of normal service. Components for such applications must be robust and dependable. That is

one reason the development of floor washing machine magnetic tiles has become a meaningful part of the company's technical focus, since cleaning machines often demand a balanced combination of compact form, stable magnetic behavior, and long-term durability.

Industrial automation and special equipment also benefit from Tianqi's magnetic solutions. In such environments, precision is critical. A component that supports a control system, a small motor, or a drive mechanism must be manufactured with tight tolerances and stable characteristics. Tianqi's process discipline and technical flexibility give it an advantage in serving these more demanding applications.

Customization Capability

Every customer uses magnetic parts in a slightly different way. Some require standard products in stable volumes. Others need customized geometry, special magnetic performance, or a design modified to fit a specific machine layout. Tianqi understands this reality and has built its service model around customization as well as standard production.

Customization begins with communication. The company works to understand the customer's product structure, operating environment, performance expectations, and assembly limitations. Once those requirements are clear, the technical team can recommend appropriate material choices, shaping methods, and production parameters. This collaborative process helps reduce development risk and saves time in later stages.

The ability to customize is especially valuable in industries where one small change in machine design can alter the size or shape of the magnetic part. A motor housing may be adjusted to become more compact. A cleaning machine may need a different layout to improve power or reduce weight. An appliance manufacturer may redesign a product to support quieter operation or better energy ratings. Tianqi's willingness to adapt to these changes helps customers keep their own product lines competitive.

In addition to structural customization, the company can also work on performance-oriented adaptation. That may involve adjusting magnetic strength, modifying heat resistance, or improving dimensional fit. The goal is not simply to make a part that looks correct, but to ensure that it performs correctly in real-world use.

This customer-focused method has become one of Tianqi's defining strengths. Rather than forcing every project into the same pattern, the company uses experience and technical understanding to shape a solution around the customer's specific application.

Research and Development

A manufacturing company remains strong only when it continues to learn. Dongyang Tianqi Motor Magnetic Tile Co., Ltd. treats research and development as a long-term investment, not a short-term expense. Through R&D, the company improves product quality, expands technical possibilities, and adapts to the changing demands of the global market.

One of the main goals of R&D is to improve material performance. As industries seek more efficient motors and more compact appliances, magnetic components must deliver more power in smaller spaces while remaining stable under operating stress. Tianqi's development work therefore focuses on improving magnetic consistency, controlling loss, and strengthening durability.

Another important area is process refinement. A better product does not always come from a completely new material. Sometimes it comes from a more accurate molding method, a tighter

heat control process, or a more reliable testing system. Tianqi's engineers and production specialists work together to identify where improvements can be made and how those improvements can be applied in practical manufacturing settings.

The company also pays attention to application trends. Appliance producers want better efficiency. Industrial users want longer service life. Cleaning machine manufacturers want quieter operation and lower maintenance. These shifts in demand guide the direction of product development. Tianqi uses this information to stay aligned with real market needs rather than developing products in isolation from customer use.

Because the magnetic component market is closely linked to broader technology trends, R&D also helps Tianqi respond to new opportunities. As motor systems become more integrated into smart devices, automated equipment, and high-efficiency consumer products, the requirements placed on magnetic parts become more complex. Tianqi's development capability allows it to respond to those changes with practical solutions.

Sustainability and Responsible Manufacturing

Modern manufacturing is not only about output. It is also about responsibility. Tianqi recognizes that efficient production should be paired with a sensible approach to resource use, waste reduction, and environmental care. The company's sustainability approach is based on practical improvements that support both business performance and ecological responsibility.

One part of this effort is material efficiency. By improving process control and reducing unnecessary waste, the company can make better use of raw materials. This benefits customers as well because a stable and efficient process helps maintain product consistency and cost control. It also supports broader environmental goals by lowering the amount of material lost during production.

Another area is energy-conscious manufacturing. Production systems that use heat, power, and mechanical processing can become more efficient through better scheduling, improved equipment use, and process optimization. Tianqi works to make its operation as practical and responsible as possible, balancing production demand with resource awareness.

Sustainability also includes product durability. A magnetic component that lasts longer and performs more consistently can help reduce replacement frequency and lower total resource use over the life of the end product. In this sense, product quality and sustainability are connected. By making parts that support longer equipment life, Tianqi contributes to a more efficient industrial cycle.

The company's responsible manufacturing mindset extends to packaging, handling, and logistics as well. Careful organization helps reduce damage and unnecessary replacement. Better planning can also improve delivery efficiency and reduce avoidable waste in transport and storage.

Customer Service and Technical Support

A strong product alone is not enough in today's competitive market. Customers also need communication, technical understanding, and reliable follow-through. Tianqi has developed its service philosophy around the idea that manufacturing should be supported by clear and responsive customer care.

From the early stages of inquiry, the company works to understand what the customer needs and why those needs matter. This often includes technical discussion about operating

conditions, dimensions, magnetic performance, and installation requirements. When the customer has a clear application goal, Tianqi can provide better guidance and more suitable product suggestions.

During development and production, the company remains available to answer questions, discuss adjustments, and coordinate progress. This support can be especially helpful when a project involves customization or when the customer is launching a new product line. In such cases, communication helps reduce misunderstanding and keeps the development process efficient.

After shipment, service does not stop. Tianqi recognizes that the relationship with a customer continues after delivery, especially if additional orders, technical updates, or product refinements are needed. The company's willingness to maintain contact and support ongoing use helps build trust over time.

For many customers, this service model is as important as the product itself. A supplier that understands technical detail, responds in a timely way, and works cooperatively can help reduce project risk and increase confidence. Tianqi aims to be that kind of partner.

Global Market Reach

As manufacturing has become more connected across regions, magnetic component suppliers must be prepared to serve a diverse customer base. Dongyang Tianqi Motor Magnetic Tile Co., Ltd. has grown with this reality in mind. The company's products and service approach are designed to support both domestic and international clients that need reliable magnetic solutions.

In domestic markets, Tianqi serves customers who value practical engineering, stable supply, and cost-effective manufacturing. In international markets, the company's strengths in consistency, customization, and quality control become equally important. Buyers in different countries may have different technical standards or communication expectations, but they all share the need for dependable products that perform as promised.

International competition also encourages continuous improvement. To remain competitive across markets, Tianqi must keep refining its manufacturing process, strengthening quality assurance, and improving service efficiency. This challenge has helped the company become more disciplined and more responsive in the way it serves clients.

The company's experience with different product types and application requirements also supports global expansion. Motors, appliances, and cleaning systems are produced in many parts of the world, and the underlying need for reliable magnetic components is widely shared. Tianqi's ability to supply parts for varied applications gives it a practical foundation for long-term growth.

Why Customers Value Tianqi

There are several reasons why customers choose Dongyang Tianqi Motor Magnetic Tile Co., Ltd. First, the company offers a specialized focus. Rather than trying to do everything, Tianqi concentrates on magnetic components and related motor applications. That focus leads to deeper technical understanding and better product development.

Second, the company emphasizes consistency. In mass production, the value of a part depends not only on one sample but on the behavior of every batch. Tianqi's quality control system is designed to support that consistency.

Third, the company understands customization. Many customers need parts adapted to unique machines or updated product designs. Tianqi's flexibility makes it easier for those customers to move from concept to production.

Fourth, the company balances technical quality with practical manufacturing. Its approach is not overly theoretical or disconnected from real production needs. Instead, it is built around usable results that can fit smoothly into customer operations.

Fifth, the company values communication and service. Reliable manufacturing becomes more useful when supported by clear discussion, timely feedback, and cooperative problem solving. Tianqi's customer-oriented style helps create that kind of working relationship.

The Continuing Role of Magnetic Innovation

The magnetic component industry continues to evolve as manufacturers seek better efficiency, smaller footprints, and greater reliability. This creates both pressure and opportunity. Companies that can combine technical knowledge with dependable production are well placed to grow. Tianqi's ongoing investment in process improvement, material selection, and application-oriented development shows that it understands this direction clearly.

In the future, demand will likely continue to rise for components that support energy-saving motors, cleaner operation, and compact designs. Household equipment will become more intelligent, industrial machines will become more efficient, and cleaning systems will continue to improve in both performance and convenience. These trends all depend on components that can perform consistently under real conditions. That is why magnetic parts remain so important and why manufacturers like Tianqi play a meaningful role in the supply chain.

The company's work is not simply about producing a part that meets a drawing. It is about helping an entire machine function better. A carefully made magnetic component can support smoother movement, better efficiency, quieter operation, and longer service life. Those are practical benefits that matter to manufacturers, distributors, and end users alike.

Conclusion

Dongyang Tianqi Motor Magnetic Tile Co., Ltd. stands as a specialized and dependable manufacturer in the magnetic component field. With a strong focus on quality, customization, technical discipline, and customer service, the company has built a position that reflects both manufacturing capability and market understanding. Its products support a wide range of motor and appliance applications, and its development approach helps customers respond to changing market demands with confidence.

From material selection to final inspection, Tianqi treats every stage of production as an opportunity to improve performance and reliability. Its commitment to consistency makes it a valuable partner for businesses that depend on stable supply and dependable technical results. As the demand for efficient motor systems and durable magnetic solutions continues to grow, the company is well positioned to contribute meaningful value across domestic and international markets.

Whether the application is an appliance, an industrial drive system, or a specialized cleaning machine, the need for precise magnetic components remains the same. This is especially true in products built around floor washing machine magnetic tiles, where performance, durability, and dimensional accuracy must work together to support smooth operation and long-term value. Tianqi's experience in this area reflects its broader ability to turn technical requirements

into practical manufacturing solutions. For more information, please visit https://www.magneticsegment.com/.